SAE J1939 - GPS Module With 9-Pin Deutsch Connection Cable

The GPS Module by Copperhill Technologies reports a vehicle's position, direction, speed, plus time and date in accordance to the SAE J1939 Standard, making it suitable for fleet management applications.

GREENFIELD, Mass. - **Feb. 13, 2020** - *PRLog* -- The jCOM.J1939.GPS device connects to an SAE J1939 network and reports the vehicle position (PGN 65267 - Latitude & Longitude) with a five second frequency, according to the SAE J1939-71 Standard. The GPS module also responds to requests for Time & Date (PGN 65254) and delivers Vehicle Direction & Speed (PGN 65256) at a 1-second interval. The jCOM.J1939.GPS comes with a switchable 120 Ohm termination resistor, which is per default activated.

The integrated J1939 protocol stack automatically determines the CAN Bus data rate (250/500 kbps) and negotiates a node address in the range of 128 to 247. The GPS data is broadcast by using the global destination address (255 = 0xFF). The device's firmware can be updated on-site per the integrated RS232 port, which also allows the loading of customer-specific features. Any further GPS-related data, as defined in NMEA 0183, can be added on request.

A free-of-charge Windows software tool allows testing the module without attaching to a vehicle network. It also manages the on-site firmware update procedure.

The content of delivery includes the jCOM.J1939.GPS module, the GPS antenna (preferred installation location is the driver cabin, i.e. close to the wind shield), and the SAE J1939 cable suited for a 9-pin Deutsch connection.

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